# Test-king   117-201   74q

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LPI 117-201

Advanced Level Linux Certification

TEST KING

Many new questions are added , Good for review go ahead and pass the exam now.

**Exam A**

**QUESTION 1**
In capacity planning exercises, which tools assist in listing and identifying processes of interest? (Choose TWO correct answers.)

A. acpid
B. lsof
C. pstree
D. telinit

**Correct Answer:** BC
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

**QUESTION 2**
Which of the following tools are used to measure memory usage? (Choose THREE correct answers.)

A. mpstat
B. pstree
C. sar
D. top
E. vmstat

**Correct Answer:** CDE
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

**QUESTION 3**
In the following output from top, which processes contribute to the percentage of time that the CPU spends in the state of wa?

Tasks: 193 total, 1 running, 190 sleeping, 2 stopped, 0 zombie

Cpu(s): 0.5%us, 0.3%sy, 0.0%ni, 98.2%id, 1.0%wa, 0.0%hi, 0.0%si, 0.0%st

A. Processes waiting for user interaction.
B. Processes that were already closed and are waiting to be launched again.
C. Processes that have not been scheduled yet because they haven't been fully loaded into RAM or are in swap.
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D. Processes waiting for IO operations to complete.

**Correct Answer:** D
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

**QUESTION 4**
In this example output, which descriptions match the purpose of the free, buff and cache columns? (Choose THREE correct answers.)

# vmstat 1 100

procs -----------memory---------- ---swap-- -----io---- --system-- ----cpu----

r b swpd free buff cache si so bi bo in cs us sy id wa

0 0 0 282120 134108 5797012 0 0 0 2 0 0 0 0 100 0

0 0 0 282120 134108 5797012 0 0 0 0 1007 359 0 0 100 0

0 0 0 282120 134108 5797012 0 0 0 0 1117 577 0 0 100 0

0 0 0 282120 134108 5797012 0 0 0 0 1007 366 0 0 100 0

- A. Used swap space
- B. RAM available for filesystem buffers
- C. Available free RAM
- D. RAM used for buffers
- E. RAM used for filesystem cache

**Correct Answer:** CDE
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

**QUESTION 5**
In the following output, what percentage of time was the CPU waiting for pending I/O?

# vmstat 1 100

procs -----------memory---------- ---swap-- -----io---- --system-- ----cpu----

r b swpd free buff cache si so bi bo in cs us sy id wa

0 0 0 282120 134108 5797012 0 0 0 2 0 0 0 0 100 0

0 0 0 282120 134108 5797012 0 0 0 0 1007 359 0 0 100 0

0 0 0 282120 134108 5797012 0 0 0 0 1117 577 0 0 100 0

0 0 0 282120 134108 5797012 0 0 0 0 1007 366 0 0 100 0

- A. 0
- B. 100
- C. 35.9
- D. 57.7
- E. 36.6

**Correct Answer:** A
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

## QUESTION 6
In the following output, the load averages represent the system load averages for what time frames?

# uptime

12:10:05 up 18 days, 19:00, 2 users, load averagE. 0.47, 24.71, 35.31

A. 1, 5 and 15 minutes
B. 1, 15 and 30 minutes
C. 1, 15, and 30 seconds
D. 15, 30 and 60 minutes
E. 15, 30 and 60 seconds

**Correct Answer:** A
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

## QUESTION 7
Which of the following commands will provide the PIDs of the processes sorted by which are using the most CPU cycles on the Linux system?

A. top
B. uptime
C. ps aux
D. vmstat
E. freemem

**Correct Answer:** A
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

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## QUESTION 8
Which command will report information on memory usage, paging and block input/output?

A. free
B. memshow
C. ps
D. top
E. vmstat

**Correct Answer:** E
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

## QUESTION 9
Which of the following terms are used to describe 3.x kernel releases? (Choose TWO correct answers.)

A. beta
B. final
C. longterm
D. prerelease
E. stable

**Correct Answer:** CE
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

## QUESTION 10
What is a key difference between a zImage and bzImage kernel image?

A. zImage is compressed using gzip, bzImage is compressed using bzip2.
B. zImage is for 2.6 series kernels, bzImage is for 3.x series kernels.
C. zImage is limited to 64k, bzImage has no such restriction.
D. zImage gets loaded completely into low memory. bzImage will load into high memory once low memory is full.

**Correct Answer:** D
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

## QUESTION 11
CORRECT TEXT

According to the Filesystem Hierarchy Standard (FHS), what is the path to the Linux kernel source and may be a symbolic link to the real Linux source code? (Please specify the full path with no version information.)

A. 1
B. 3
C. 9
D. 7

**Correct Answer:** B
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Answer: /usr/src/linux, /usr/src/linux/

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## QUESTION 12
Which of the following command sequences can be used to extract files contained in a initramfs file (/boot/ initramfs) which is used by the kernel at boot time?

A. cp /boot/initramfs /tmp/initramfs.gz; gzip -c /tmp/initramfs.gz; mkdir /tmp/initramfs.dir ; cd /tmp/initramfs.dir ; cpio -i < /tmp/initramfs

B. cp /boot/initramfs /tmp/initramfs.gz; gunzip /tmp/initramfs.gz; mkdir /tmp/initramfs.dir ; cd /tmp/initramfs.dir ; cpio -i < /tmp/initramfs

C. cp /boot/initramfs /tmp/initramfs.gz; gunzip /tmp/initramfs.gz; mount /tmp/initramfs /mnt/ -o loop -t initramfs

D. cp /boot/initramfs /tmp/initramfs.gz; gunzip /tmp/initramfs.gz; mkdir /tmp/initramfs.dir ; cd /tmp/initramfs.dir ; cpio -e /tmp/initramfs

E. cp /boot/initramfs /tmp/initramfs.gz; gunzip /tmp/initramfs.gz; mount /tmp/initramfs /mnt/ -o loop -t initrd

**Correct Answer:** B
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

**QUESTION 13**
CORRECT TEXT

After configuring a new kernel, what file under /usr/src/linux/ contains the configuration?

A. 16
B. 22
C. 17
D. 9

**Correct Answer:** D
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Answer: /usr/src/linux/.config, .config

**QUESTION 14**
Which archive format is used to create an initramfs image?

A. gzip
B. tar
C. RAR
D. cpio
E. bzip2

**Correct Answer:** D
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

**QUESTION 15**
What is the correct parameter to pass to the kernel at boot time to force it to use only one of the available processors?

A. maxcpus=1
B. usecpus=1
C. smpcpus=1
D. vcpumx=1

**Correct Answer:** A
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

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**QUESTION 16**
Which commands are used to load modules into the Linux kernel? (Choose TWO correct answers.)

A. insmod
B. loadmod
C. kernload
D. modprobe
E. probemod

**Correct Answer:** AD
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

**QUESTION 17**
What is the purpose of the command udevadm monitor?

A. It listens to kernel events produced by a udev rule and print information to the console.
B. It monitors the /dev directory for new devices.
C. It monitors the udev process and prints performance statistics to the console.
D. It communicates with D-Bus to setup new devices.

**Correct Answer:** A
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

**QUESTION 18**
CORRECT TEXT

Which keyword is used in the /etc/inittab file to define the SysV-init default system runlevel?

A.
B.
C.
D.

**Correct Answer:**
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Answer: initdefault

**QUESTION 19**

CORRECT TEXT

What is the full path to the directory which contains the scripts (or links to the original scripts) to run while the system boots to SysV-init runlevel 2?

A.

B.

C.

D.

**Correct Answer:**
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Answer: /etc/rc2.d, /etc/rc2.d/, /etc/init.d/rc2.d, /etc/init.d/rc2.d/

**QUESTION 20**
A system with SysV-init has a service installed called apache2. Which file controls the start and stop of this service and is referenced by the various runlevel directories?

A. /etc/init.d/apache2

B. /etc/rc2.d/70apache2

C. /etc/rc2.d/apache2

D. /etc/rc2.d/apache2.start

**Correct Answer:** A
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

**QUESTION 21**
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After changing the default runlevel in the SysV-init configuration file, the system boots in a different than intended runlevel. Where else could this different runlevel be defined?

A. In the /etc/sysctl.conf

B. In the boot loader configuration file

C. In the /etc/runlevel file

D. In the /boot/initramfs file

E. In the /etc/rc.d/rc.local file

**Correct Answer:** B
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

**QUESTION 22**
In case the file containing the Linux kernel is lost, what happens when the system is booting?

A. The system starts normally since the bootloader copies the kernel to the master boot record of the hard disk.

B. Instead of the kernel, the initramfs is loaded and instructed to mount the root filesystem and reinstall the kernel from the original package or from source.

C. The bootloader mounts the root filesystem read-only and launches /bin/sh directly in order to allow the

administrator to reinstall the kernel.

D. Without a kernel a system cannot boot and, depending on the bootloader, an error is displayed.

**Correct Answer:** D
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

**QUESTION 23**
A server requires a GRUB2 boot option which will always boot to runlevel 1. Which line of a GRUB2 configuration file starts the beginning of the settings needed to make this new choice available?

A. initrd
B. linux
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C. menuentry
D. runlevel

**Correct Answer:** B
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

**QUESTION 24**
Where is the LILO boot loader code typically installed on a system with only a single Linux installation and no other operating systems?

A. In the master boot record.
B. In the boot sector.
C. In the /boot directory.
D. At the start of the kernel.

**Correct Answer:** A
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

**QUESTION 25**
CORRECT TEXT

Consider the following /etc/fstab file:

/dev/hda1 swap swap defaults 0 0

/dev/hda2 / ext2 defaults 1 1

/dev/hda3 /home ext2 defaults 1 2

none /proc proc defaults 0 0

/dev/sdb1 /media/usb0 vfat user,noauto 0 0

What is one of the possible commands that an ordinary (non-root) user can use to mount the /dev/sdb1 partition on the /media/usb0 mount point? (Please enter the command with all parameters and/or options

but without any file system type options.)

A.
B.
C.
D.

**Correct Answer:**
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Answer: mount /dev/sdb1, mount /media/usb0, /bin/mount /dev/sdb1, /bin/mount /media/usb0, mount /media/usb0/, /bin/mount /media/usb0/

**QUESTION 26**
CORRECT TEXT

Which directory in /dev/disk/ can be used to determine the UUID of a connected hard disk?

A.
B.
C.
D.

**Correct Answer:**
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Answer: /dev/disk/by-uuid, by-uuid, /dev/disk/by-uuid/

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**QUESTION 27**
Due to extreme system use, a Linux system requires some additional swap space. To initialize 5GB of additional swap space, which combination of commands should be used?

A. dd if=/dev/zero of=/tmp/swapfile bs=1024 count=5120000; mkswap /tmp/swapfile; mount /tmp/swapfile
B. dd if=/dev/zero of=/tmp/swapfile bs=1024 count=5120000; swapon /tmp/swapfile
C. dd if=/dev/zero of=/tmp/swapfile bs=1024 count=5120000; mkswap /tmp/swapfile; swapon /tmp/swapfile
D. touch -5G /tmp/swapfile; swapon /tmp/swapfile
E. mkswap /tmp/swapfile 512000; swapon /tmp/swapfile

**Correct Answer:** C
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

**QUESTION 28**
CORRECT TEXT

Which command turns an existing ext2 filesystem non-destructively into an ext3 filesystem? (Specify ONLY the command without any path or parameters.)

A.

B.

C.

D.

**Correct Answer:**
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Answer: /sbin/tune2fs, tune2fs

**QUESTION 29**
How can the label root be added to the ext2 filesystem on /dev/sda1?

A.  relabel /dev/sda1 root
B.  tune2fs -L root /dev/sda1
C.  echo 'root' > /proc/fs/sda1/label
D.  labelfs --device /dev/sda1 root

**Correct Answer:** B
**Section: (none)**
**Explanation**

**Explanation/Reference:**
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Explanation:

**QUESTION 30**
Which of the following is a CD-ROM filesystem standard?

A.  OSI9660
B.  ISO9660
C.  SR0FS
D.  ISO8859
E.  ROM-EO

**Correct Answer:** B
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

**QUESTION 31**
What is the minimum number of disks required in a fully redundant RAID5 array?

A.  1
B.  2
C.  3
D.  4
E.  5

**Correct Answer:** C
**Section: (none)**
**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 32**
Which single command will simulate a failed device within a RAID 5 array?

A.  mdadm --remove /dev/md0 /dev/sdd1
B.  mdadm --zero-superblock /dev/sdf3
C.  mdadm --force-fault /dev/md2 /dev/sde2
D.  mdadm --fail /dev/md0 /dev/sdc1
E.  mdadm /dev/md0 --offline /dev/sdc1

**Correct Answer:** D
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

**QUESTION 33**
Which RAID level value must be used with Linux software RAID in order to create an array of mirrored devices?

A.  1
B.  5
C.  6
D.  container
E.  mirrorstripe

**Correct Answer:** A
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

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**QUESTION 34**
Which of the following commands is used to set up a RAID volume?

A.  makerd
B.  mdadm
C.  mkfs.raid
D.  makeraid
E.  rdconfig

**Correct Answer:** B
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

**QUESTION 35**
The IDE hard drive /dev/hda does not have DMA enabled. Which command must be run to enable DMA on it?

A.  hdparm -d /dev/hda

B. hdparm --dma /dev/hda
C. hdparm --dma /dev/hda1
D. hdparm -d /dev/hda1
E. hdparm -d 1 /dev/hda

**Correct Answer:** E
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

**QUESTION 36**
The correct command sequence to create and mount logical volumes on a Linux system is:

A. lvcreate, pvcreate, vgcreate, mkfs, mount
B. pvcreate, vgcreate, lvcreate, mkfs, mount
C. vgcreate, lvcreate, pvcreate, mount, mkfs
D. mkfs, pvcreate, vgcreate, lvcreate, mount
E. pvcreate, lvcreate, vgcreate, mkfs, mount

**Correct Answer:** B
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

**QUESTION 37**
What is the purpose of the command vgextend?

A. Extend a volume group's footprint on disk.
B. Add physical volumes to an existing volume group.
C. Increase the number of days between scheduled error checking.
D. Create a volume group which uses all available space on disk.

**Correct Answer:** B
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

**QUESTION 38**
Which two LVM commands are missing from the following sequence which is used to create a logical volume and make use of it on a Linux system?

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pvcreate, _____, _____, mkfs, mount

A. lvcreate, mdadm
B. lvcreate, vgcreate
C. lvmcreate, vgcreate
D. vgcreate, lvcreate
E. vgcreate, mdadm

**Correct Answer:** D
**Section: (none)**

**Explanation**

**Explanation/Reference:**
Explanation:

**QUESTION 39**
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Which of the following wireless tools can be used to check the wireless network link quality? (Choose TWO correct answers.)

A. iwconfig
B. iwlink
C. iwscan
D. iwifi
E. iw

**Correct Answer:** AE
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

**QUESTION 40**
Which of the following files are used to resolve hostnames to IP addresses? (Choose TWO correct answers.)

A. /etc/systems
B. /etc/hosts
C. /etc/network
D. /etc/dns.conf
E. /etc/resolv.conf

**Correct Answer:** BE
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

**QUESTION 41**
Which of the following commands can be used to list IPv4 addresses and MAC addresses for IP devices that the system has seen on the local network?

A. arp
B. ifconfig
C. ipadm
D. iwlist

**Correct Answer:** A
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

**QUESTION 42**
What is the command to add another IP address (192.168.1.2) to a network interface (eth0) that already has (at least) one IP address in the 192.168.1.0/24 subnet?

A. ip add addr 192.168.1.2/32 dev eth0
B. ifconfig eth0 192.168.1.2 netmask 255.255.255.255
C. ip addr add 192.168.1.2/32 dev eth0
D. ipconfig eth0 192.168.1.2

**Correct Answer:** C
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

**QUESTION 43**
CORRECT TEXT

According to the tcpdump output below, what is the IP address of the client host?

02:12:40.511381 IP 192.168.246.11.1045 > 192.168.246.1.22: S 3838532429:3838532429(0) win 5840
<mss 1460,sackOK,timestamp 31325740,nop,wscale 2>

02:12:40.511540 IP 192.168.246.1.22 > 192.168.246.11.1045: S 1209330085:1209330085(0) ack 383853
2430 win 5792 <mss 1460,sackOK,timestamp 11553457 3132574,nop,wscale 0>

02:12:40.511755 IP 192.168.246.11.1045 > 192.168.246.1.22: . ack 1 win 1460 <nop,nop,timestamp 3
132574 11553457>

02:12:40.515122 IP 192.168.246.1.22 > 192.168.246.11.1045: P 1:26(25) ack 1 win 5792
<nop,nop,timestamp 11553460 3132574>

02:12:40.515511 IP 192.168.246.11.1045 > 192.168.246.1.22: . ack 26 win 1460 <nop,nop,timestamp
3132578 11553460>

02:12:40.515952 IP 192.168.246.11.1045 > 192.168.246.1.22: P 1:23(22) ack 26 win 1460
<nop,nop,timestamp 3132578 11553460>

A.
B.
C.
D.

**Correct Answer:**
**Section: (none)**
**Explanation**

**Explanation/Reference:**

**QUESTION 44**
CORRECT TEXT

Which program lists information about files and network connections opened by processes? (Specify
ONLY the command without any path or parameters.)

A.
B.
C.
D.

**Correct Answer:**
**Section: (none)**

**Explanation**

**Explanation/Reference:**
Answer: lsof, /usr/bin/lsof

**QUESTION 45**
The following is an excerpt from the output of tcpdump -nli eth1:

13:03:17.277327 IP 192.168.123.5.1065 > 192.168.5.112.21: Flags [.], ack 1 (truncated)

13:03:17.598624 IP 192.168.5.112.21 > 192.168.123.5.1065: Flags [P.], seq (truncated)

Which network service or protocol was used?

A.  FTP
B.  HTTP
C.  SSH
D.  DNS
E.  DHCP

**Correct Answer:** A
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

**QUESTION 46**
Which of the following commands can be used to script interactions with various TCP or UDP services?

A.  ftp
B.  nc
C.  tcpdump
D.  strings
E.  wget

**Correct Answer:** B
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

**QUESTION 47**
A correctly formatted entry has been added to /etc/hosts.deny to prevent certain clients from connecting to a service but this is having no effect. What could be the cause of this? (Choose TWO correct answers.)

A.  tcpd needs to be sent the HUP signal.
B.  The service needs to be restarted.
C.  The machine needs to be restarted.
D.  There is a conflicting entry in /etc/hosts.allow.
E.  The service does not support tcpwrapper.

**Correct Answer:** DE
**Section: (none)**

**Explanation**

**Explanation/Reference:**
Explanation:

**QUESTION 48**
A network client has an ethernet interface (eth0) configured with an IP address in the subnet 192.168.0.0/24. This subnet has a router, with the IP address 192.168.0.1, that connects this subnet to the Internet. What needs to be done on the client to enable it to use the router as its default gateway? (Choose TWO correct answers.)

A. route add default gw 192.168.0.1 eth0
B. ifconfig eth0 defaultroute 192.168.0.1
C. ip route add default via 192.168.0.1 dev eth0
D. echo defaultroute 192.168.0.1 >> /etc/resolv.conf
E. route add defaultgw=192.168.0.1 if=eth0
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**Correct Answer:** AC
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

**QUESTION 49**
What should be done to ensure a client machine uses the recursive nameserver running on the IP address 192.168.0.1? (Choose TWO correct answers.)

A. Add nameserver 192.168.0.1 to /etc/resolv.conf.
B. Run route add nameserver 192.168.0.1.
C. Run ifconfig eth0 nameserver 192.168.0.1.
D. Ensure that the dns service is listed in the hosts entry in the /etc/nsswitch.conf file.
E. Run bind add nameserver 192.168.0.1.

**Correct Answer:** AD
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

**QUESTION 50**
What should be done after updating the configuration file for syslogd in order to make the changes become effective? (Choose TWO correct answers.)

A. No action is required, syslogd will notice the updated configuration file after a few minutes.
B. Send the HUP signal to the syslogd process.
C. Restart the syslogd service.
D. Run the command syslogd -u.

**Correct Answer:** BC
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

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**QUESTION 51**
What does the -p3 option to the patch command do?

A. It will strip off path information from each file mentioned in the patch file up to and including the third / character.
B. patch continues execution as long as there are three or fewer errors.
C. It instructs patch to look up to three lines of context before or after the declared line in the original file for a match.
D. patch will keep three previous versions of each file in the output to prevent loss of change history.
E. It instructs patch to conform more strictly to the POSIX standard.

**Correct Answer:** A
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

**QUESTION 52**
Which of the following files will be looked for and used by GNU make, if one of them exists, unless a different file is specified on the command line when trying to compile software from source code? (Choose TWO correct answers.)

A. configure
B. config.h.in
C. makefile
D. Makefile
E. Makefile.in
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**Correct Answer:** CD
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

**QUESTION 53**
A regular user, joe, has just run:

./configure && make && make install

to build and install a program. However, the installation fails. What could be done to install the program? (Choose TWO correct answers.)

A. Install the binaries manually with suinstall.
B. Run make install with root privileges.
C. Do not run ./configure in order to maintain the default configuration for correct installation.
D. Rerun ./configure with a --prefix option where the user has permissions to write.
E. Run make install_local to install into /usr/local/.

**Correct Answer:** BD
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

**QUESTION 54**
CORRECT TEXT

What is the device name for the first SCSI tape drive on a system when used without automatic

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rewinding after each write operation? (Please specify the full path to the device.)

A.
B.
C.
D.

**Correct Answer:**
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Answer: /dev/nst0

**QUESTION 55**
Which of the following commands will erase the contents of the /dev/sdb3 partition?

A. rm /dev/sdb3
B. dd if=/dev/zero of=/dev/sdb3
C. dd of=/dev/zero if=/dev/sdb3
D. umount /dev/sdb3

**Correct Answer:** B
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

**QUESTION 56**
CORRECT TEXT

Which file contains the text message that is displayed after logging into the console? (Specify the full name of the file, including path.)

A.
B.
C.
D.

**Correct Answer:**
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Answer: /etc/motd

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**QUESTION 57**
CORRECT TEXT

Which file contains the message that is displayed above the login prompt of the system console? (Specify the full name of the file, including path.)

A.

B.

C.

D.

**Correct Answer:**
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Answer: /etc/issue

**QUESTION 58**
What option in the collectd configuration file is required in order to define what to start monitoring?

A. LoadModule
B. Module
C. Plugin
D. LoadPlugin

**Correct Answer:** D
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

**QUESTION 59**
How is the source code for the main Linux kernel modules distributed?

A. It is included with the Linux kernel source code.
B. The kernel modules are downloaded on demand as they are used during compilation.
C. The kernel modules have their own release cycle and can be maintained separately from the Linux kernel source.
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D. It is provided as a separate download alongside the Linux kernel source code of the same version.

**Correct Answer:** A
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

**QUESTION 60**
What are the main network services used by the PXE protocol? (Choose TWO correct answers.)

A. DNS
B. DHCP
C. HTTP
D. TFTP
E. NFS

**Correct Answer:** BD
**Section: (none)**

**Explanation**

**Explanation/Reference:**
Explanation:

**QUESTION 61**
What is the purpose of the smartd daemon?

A. It is a user space daemon used for reading smart cards and integrated circuit chips.
B. It attempts to automatically repair file systems upon a failed file system check.
C. It monitors process activity and helps the kernel decide which processes to kill when the kernel Real 36
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   overcommits.
D. It monitors certain disk drives and attempts to predict when they will fail.

**Correct Answer:** D
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

**QUESTION 62**
Which of the following are common Linux filesystem types used for root partitions? (Choose THREE correct answers.)

A. ext4
B. VFAT
C. NTFS
D. XFS
E. Btrfs

**Correct Answer:** ADE
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

**QUESTION 63**
Where would fsck put any unreferenced file or file fragments on a ext4 filesystem?

A. recover
B. lost+found
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C. back
D. lost

**Correct Answer:** B
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

**QUESTION 64**
The main configuration file for autofs has this entry:

/home /etc/auto.home

What is the meaning of the /etc/auto.home file?

A. It has the indirect maps for the mounting of file systems.
B. It has configuration information, such as passwords and keys, for the remote file server.
C. It has configuration information on settings for the /home mount point.
D. It is the holds the SSL key to allow authentication to the remote file server.

**Correct Answer:** A
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

**QUESTION 65**
Which of the following is an example path to a Linux software RAID array?

A. /dev/raid0
B. /dev/rd1
C. /dev/pr0
D. /dev/md1

**Correct Answer:** D
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

**QUESTION 66**
What are the options to node.startup in the iscsid.conf file? (Choose TWO correct answers.)

A. login
B. initiate
C. manual
D. discover
E. automatic

**Correct Answer:** CE
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

**QUESTION 67**
What command is used to make an exact copy, at a single point in time, of a logical volume for backup purposes?

A. lvsnap
B. lvsnapshot
C. lvcreate

D. lvcopy
E. lvclone

**Correct Answer:** C
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

**QUESTION 68**
What action should be performed after increasing the size of a logical volume?

A. Run vgresize.
B. Increase the size of the filesystem used for the logical volume.
C. Run lvresize.
D. Remount the logical volume.

**Correct Answer:** B
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

**QUESTION 69**
Which command can be used to scan a specified network looking for IP addresses that appear to be in use?

A. nmap
B. tcpdump
C. ip
D. netscan
E. hostdiscover

**Correct Answer:** A
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

**QUESTION 70**
Which of the following filter keywords for tcpdump specify the transfer direction for network packets? (Choose TWO correct answers.)

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A. source
B. src
C. dest
D. src or dst
E. both

**Correct Answer:** BD
**Section: (none)**
**Explanation**

**QUESTION 71**
What is incorrect about these entries in /etc/hosts which could be causing host name lookup problems with host2?

host1 192.168.1.12

host2 192.168.1.12

A. Two host names are using the same IP address.
B. The server doing the query is on a different subnet.
C. The fields are out of order.
D. host2 is not a fully qualified domain name.

**Correct Answer:** C
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

**QUESTION 72**
Under which of the following circumstances would the command ping output the string (DUP!)?

A. When the ICMP packets are send to a broadcast address and multiple hosts respond.
B. When the host being sent ICMP packets is on a different network.
C. When the router responds to the ICMP packet in addition to the host receiving the ICMP packets.
D. When the host sending the ICMP packet is the same host as the one receiving the ICMP packets.

**Correct Answer:** A
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

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**QUESTION 73**
Which one of these directories should not be backed up?

A. /backup
B. /etc
C. /opt
D. /proc
E. /var/log

**Correct Answer:** D
**Section: (none)**
**Explanation**

**Explanation/Reference:**
Explanation:

**QUESTION 74**
The following command has just been run successfully:

cd /opt; tar xvf /dev/nst0;

What will happen if the command sequence is run again?

A.  An error saying that there is no tape present is generated because the tape has been ejected after being used.
B.  The contents of /opt will be restored again.
C.  The entire contents of /opt will be replaced with the contents of the next file on the tape.
D.  The contents of /opt will have additional content added from the next file on the tape.

**Correct Answer:** D
**Section: (none)**
**Explanation**

**Explanation/Reference:**
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